

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
13 January 2005 (13.01.2005)

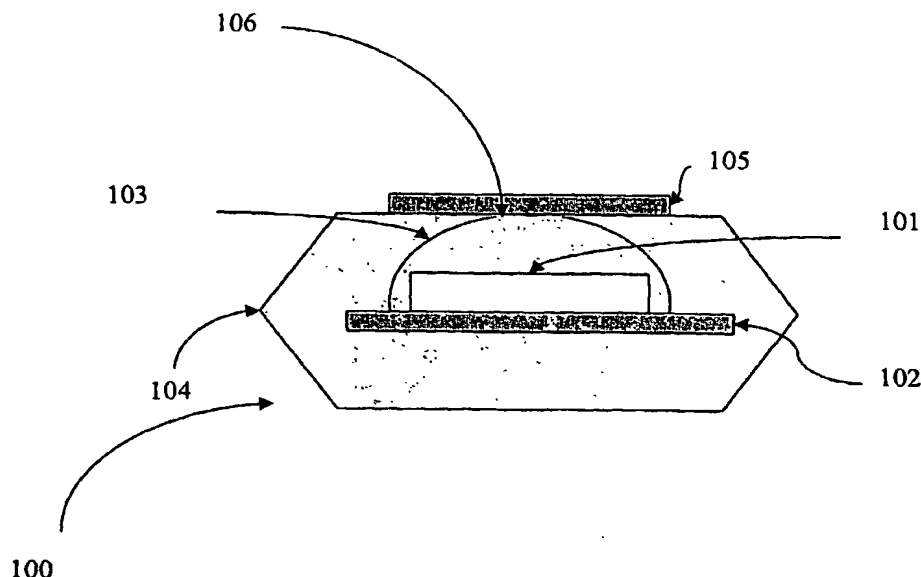
PCT

(10) International Publication Number  
**WO 2005/002887 A3**

- (51) International Patent Classification<sup>7</sup>: **B60C 23/04**
- (21) International Application Number:  
PCT/IB2004/002197
- (22) International Filing Date: 2 July 2004 (02.07.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
0315489.5 2 July 2003 (02.07.2003) GB
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- (81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.
- (84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: PRESSURE SENSOR



(57) Abstract: A pressure sensor 100 suitable for being fitted to or embedded in a tyre comprises an integrated circuit 101 mounted on a lead frame 102, the integrated circuit 101 incorporating a pressure sensing element. A gel blob 103 covers the pressure sensing element of the integrated circuit 101. The integrated circuit 101, lead frame 102 and gel blob 103 are encapsulated within a plastic moulded package 104. An opening 106 is provided in the plastic package 104 through which the gel blob 103 is exposed to the atmosphere. The gel blob 103, being flexible is able to transfer the pressure of the atmosphere to the pressure sensing element. A filter 105 covers the opening 106 in order to prevent the ingress of water or harmful substances into the aperture. In alternative embodiments, the gel blob 103 may be removed.



**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**(88) Date of publication of the international search report:**

17 February 2005